tion tube (**12**), and the outside of the aluminium piece (**24**) is fixed with the semiconductor cooling plate (**25**).

7. The integrated analysis device for simultaneously detecting EBCs and VOCs in human exhaled breath according to claim **1**, the combined VOCs detection module further comprising an outlet heating piece (**31**), a gas nozzle (**32**), a upper cover of sensor gaschamber (**33**), a heat sink (**34**), and a conduit for capillary extraction (**35**); the gas nozzle (**32**) and the conduit for capillary extraction (**35**) are respectively in a direct threaded connection with the outlet heating piece (**31**), the upper cover of sensor gas-chamber (**33**) is snap-fitted with the heat sink (**34**), the upper cover of sensor gas-chamber (**33**) is connected with the outlet heating piece (**31**), and the gas nozzle (**32**) extends into the upper cover of sensor gaschamber (**33**).

8. The integrated analysis device for simultaneously detecting EBCs and VOCs in human exhaled breath according to claim **7**, the outlet heating piece (**31**) further comprising a cambered guiding groove for capillary (**41**), a slot for heating rod (**45**), a slot for platinum resistor (**46**), a first insertion screw hole (**47**), and a second insertion screw hole (**48**), a heating rod and a platinum resistor; the two ends of the cambered guiding groove for capillary (**41**) are respectively connected with the first insertion screw hole (**47**) and the second insertion screw hole (**48**), and the heating rod and the platinum resistor are respectively inserted into the slot for heating rod (**45**) and the slot for platinum resistor (**46**).

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